Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (currently amended): A method of providing a mobile data device in a wireless system with information about preferred networks to connect to, said mobile data device having a preferred roaming list with a list of networks said method comprising the steps of: including information in the preferred roaming list about the third generation data capabilities of each network; and determining preferred networks based on information within said preferred roaming list including geographic area and the third generation data capabilities of said network.

2.   (currently amended): The method of claim 1, wherein said data capabilities includes information about whether each said network in said list of networks supports third generation data capabilities and said determining step prefers those of said networks that support third generation data capabilities over those of said networks which do not support third generation data capabilities.

3.   (currently amended): The method of claim 1, further comprising wherein said data capabilities includes including information in the preferred roaming list about whether each said network in said list of networks supports data roaming and said determining step prefers those of said

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networks that support data roaming over those of said networks which do not support data roaming.

4.   (currently amended): The method of claim 1, ~~further comprising wherein said data capabilities includes~~ further comprising including information in the preferred roaming list about whether each said network in said list of networks supports mobile IP service and said determining step prefers those of said networks that support mobile IP service over those of said networks which do not support mobile IP service.

5.   (currently amended): The method of claim 1, ~~further comprising wherein said data capabilities includes~~ further comprising including information in the preferred roaming list about whether each said network in said list of networks supports an always-on feature and said determining step prefers those of said networks that support the always-on feature over those of said networks which do not support the always-on feature.

6.   (original): The method of claim 1, further comprising the steps of: including information in said preferred roaming list about the device service capability of said mobile data device; and restricting service requests from said mobile data device based on the device service capability of said device.

7.   (original): The method of claim 6, wherein said device service capability information includes whether the device supports data service.

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8.   (original): The method of claim 6, wherein said device service capability information includes whether the device supports voice service.

9.   (original): The method of claim 6, wherein said device service capability information includes whether the device supports SMS.

10.   (original): The method of claim 6, wherein said device service capability information includes whether the device supports a browser.

11.   (original): A method of providing a mobile data device in a wireless system with information about preferred networks to connect to, said mobile data device having a preferred roaming list with a list of networks, said method comprising the steps of: including information in the preferred roaming list about whether each said network in said list of networks supports third generation data capabilities; and determining preferred networks based on information within said preferred roaming list including a geographic area and whether said network supports third generation data capabilities whereby, within said geographic area, said mobile data device prefers those of said networks which support third generation data capabilities over said networks which do not support third generation data capabilities.

12.   (original): The method of claim 11 further comprising the steps of: including information in the preferred roaming list about whether each said network in said list of networks supports data roaming: and further

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determining preferred networks based on whether said network supports data roaming whereby said mobile data device further prefers those of said networks which support said data roaming over networks which do not support said data roaming.

13.   (original): The method of claim 12 further comprising the steps of: including in the preferred roaming list information about whether each said network in said list of networks supports Mobile IP service; and further determining preferred networks based on whether said network supports said Mobile IP service whereby said mobile device further prefers those of said networks which support said Mobile IP service over networks which do not support said Mobile IP service.

14.   (original): The method of claim 13 further comprising the steps of: including in the preferred roaming list information about whether each said network in said list of networks supports an always-on feature; and further determining preferred networks based on whether said network supports said always-on feature whereby said mobile device further prefers those of said networks which support said always-on feature over networks which do not support said always-on feature.

15.   (original): The method of claim 14, wherein said method further comprises the steps of including information in said preferred roaming list about the device service capability of said mobile data device; and restricting service requests from said mobile data device based on the

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device service capability of said device.

16.   (original):   The method of claim 15, wherein said device service capability information includes whether the device supports data service.

17.   (original):   The method of claim 16, wherein said device service capability information includes whether the device supports voice service.

18.   (original):   The method of claim 17, wherein said device service capability information includes whether the device supports SMS.

19.   (original):   The method of claim 18, wherein said device service capability information includes whether the device supports a browser.

20.   (original):   A method of providing a mobile data device in a wireless system with information about preferred networks to connect to, said mobile data device having a preferred roaming list with a list of networks, said method comprising the steps of: including in the preferred roaming list information about whether each said network in said list of networks supports third generation data capabilities; including in the preferred roaming list information about whether each said network in said list of networks support data roaming; including in the preferred roaming list information about whether each said network in said list of networks supports Mobile IP service; including in the preferred roaming list

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information about whether each said network in said list of networks supports an always-on feature; and determining preferred networks based on information within said preferred roaming list including a geographic area and whether said network support third generation data capabilities, data roaming, Mobile IP service and always-on feature; Whereby, within said geographic area, said mobile data device firstly prefers those of said networks which support said third generation data capabilities over networks which do not support said third generation data capabilities, secondly prefers those of said networks which support said data roaming over networks which do not support said data roaming, thirdly prefers those of said networks which support said Mobile IP service over networks which do not support said Mobile IP service, and fourthly prefers those of said networks which support said always-on feature over networks which do not support said always-on feature.

21.   (currently amended): A system for providing a mobile data device in a wireless system with information about preferred networks to connect to from a list of   networks, said system comprising: the mobile data device, said mobile data device being capable of connecting to some or all networks within said list of networks; and a preferred roaming list within said mobile data device, said preferred roaming list including: identification information for each network within said list of networks; geographic information for each network within said list of networks; and information about each network within said list of networks indicating whether each network supports third generation data capability; whereby

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said mobile data device chooses a preferred network based on said geographic information and those of said networks within said lists of networks that supports said third generation data capability.

22. (canceled)

23. (currently amended): The system of claim 22, wherein said preferred roaming list data capability information includes information on whether each said network supports data roaming.

24. (currently amended): The system of claim 23, wherein said preferred roaming list data capability information includes information on whether each said network supports Mobile IP services.

25. (currently amended): The system of claim 24, wherein said preferred roaming list data capability information includes information on whether each said network supports an always-on feature.

26. (original): The system of claim 25, wherein said preferred roaming list further includes: information about service capabilities of the mobile data device to indicate which services the mobile data device supports, whereby said mobile data device is restricted from requesting services the mobile data device supports.

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27. (original): A method for a mobile device to acquire a system comprising the steps of: waiting until a new system needs to be acquired; starting a search for a new system; when a new system is acquired, checking said new system against a PRL table to see if said new system supports third generation data capabilities; if said new system does not support third generation data capabilities, checking whether any system supports third generation data capabilities, and if so performing said starting and checking steps again; and if said new system does support third generation data capabilities, acquiring said new system.

28. (original): The method of claim 27, further comprising the step of: determining whether said new system is the best system if said new system supports third generation data capabilities, and if yes, acquiring said new system, and if no, performing said starting and checking steps again.

29. (new) A method for a mobile data device to determine a network to acquire based on a plurality of system preference criteria stored in a preferred roaming list on said mobile data device, the method comprising the steps of:

a. waiting until a new network needs to be acquired;

b. choosing the network to acquire at said mobile data device based on said plurality of system preference criteria stored on said mobile device; and

c. starting a search for the new network.

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30.   (new) The method of claim 29, wherein said plurality of system preference criteria includes at least geographic information and data capability information.

31.   (new) The method of claim 30, wherein the plurality of system preference criteria further includes information about whether each of the available networks support data roaming for the mobile data device.

32.   (new) The method of claim 30, wherein the plurality of system preference criteria further includes whether each of the available networks supports mobile IP.

33.   (new) The method of claim 32, wherein the plurality of system preference criteria further includes whether each of the available networks supports an always-on device.

34.   (new) The method of claim 29, wherein the mobile data device gives preference to various ones of the plurality of system preference criteria to create the ranking of available networks.

35.   (new) The method of claim 30, wherein the mobile data device further stores a list of service features the mobile data device supports and said plurality of system preference criteria further includes a list of services the network supports.

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36.   (new) The method of claim 29, wherein said choosing step can find no networks are available.

37.   (new) A mobile data device for acquiring one of a plurality of networks based on a plurality of system preference criteria stored in a preferred roaming list on said mobile data device, characterized by means for:

    a. waiting until a new network needs to be acquired;

    b. choosing the network to acquire at said mobile data device based on said plurality of system preference criteria stored on said mobile device; and

    c. starting a search for the new network.

38.   (new) The mobile device of claim 37, wherein said plurality of system preference criteria includes at least geographic information and data capability information.

39.   (new) The mobile data device of claim 38, wherein the plurality of system preference criteria further includes information about whether each of the available networks support data roaming for the mobile data device.

40.   (new) The mobile data device of claim 38, wherein the plurality of system preference criteria further includes whether each of the available networks supports mobile IP.

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41.   (new) The mobile data device of claim 38, wherein the plurality of system preference criteria further includes whether each of the available networks supports an always-on device.

42.   (new) The mobile data device of claim 38, wherein the mobile data device gives preference to various ones of the plurality of criteria to create the ranking of available networks.

43.   (new) The mobile data device of claim 38, wherein the mobile data device further includes means for storing a list of service features the mobile data device supports and said plurality of system preference criteria further includes a list of services the network supports.

44.   (new) The mobile data device of claim 38, wherein the mobile data device includes means for storing said plurality of system preference criteria in a table with said available networks.

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